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PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	Unknown
Filing Date	12/14/2001
First Named Inventor	Judson Lehman
Title	A System for Enhancing Fault Tolerance and Security of a Computing System
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US 018183

I hereby appoint:

Practitioners at Customer Number

Place Customer
Number Bar Code
Label here

OR

Practitioner(s) named below:

Name	Registration Number
Peter S. Zawilski	43,305
Harold Tsiang	35,721
Gwenaelle Le Pennec	Limited Recognition under 37 CFR 10.9 (b)

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number

Place Customer
Number Bar Code
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OR

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<input checked="" type="checkbox"/> Firm or Individual Name	Corporate Patent Counsel	APR 04 2002
Address	Philips Electronics North America Corporation	
Address	580 White Plains Road	
City	Tarrytown	State NY Zip 10591
Country	United States of America	
Telephone	(408) 617-4832	Fax (408) 617-4856

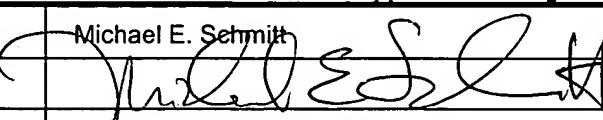
I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Michael E. Schmitt
Signature	
Date	MAR 9 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	Unknown - 10/017569
		Filing Date	12/14/2001
		First Named Inventor	Judson Lehman
		Group Art Unit	Unknown 2133
		Examiner Name	Unknown
Total Number of Pages in This Submission	18	Attorney Docket Number	US 018183

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - Appointment of Associates; - Statement under 37 CFR 3.73 (b) - Appendix B having 13 pages.
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

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Technology Center 2100

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Peter S. Zawilski
Signature	
Date	08-Mar-2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

Typed or printed name		
Signature	Date	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUnder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Koninklijke Philips Electronics N.V.

Application No./Patent No.: Unknown Filed/Issue Date: 12/14/2001

Entitled: A System for Enhancing Fault Tolerance and Security of a Computing System

Koninklijke Philips Electronics N.V., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

[] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

MAR 9 2002

Date

Michael E. Schmitt

Typed or printed name

Signature

Principal Attorney/Manager

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, Judson A. Lehman, residing at 12402 N. 64th Street, Scottsdale, Arizona 85254; and Rajeev Sethia, residing at 755 W. Goldfinch Way, Chandler, Arizona 85248; hereby assign to Koninklijke Philips Electronics N.V., a Corporation of The Netherlands, and having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, The Netherlands, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent filed herewith, entitled **A SYSTEM FOR ENHANCING FAULT TOLERANCE AND SECURITY OF A COMPUTING SYSTEM**

this assignment including said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and authorize the Assignees to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Dec. 6, 2001

Date

Judson A. Lehman

Judson A. Lehman

Dec 7, 2001

Date

Rajeev Sethia

Rajeev Sethia



Please type a plus sign (+) inside this box →

PTO/SB/82 (10-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	Unknown
Filing Date	12/14/2001
First Named Inventor	Judson Lehman
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	US 018183

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

OR

Please change the correspondence address for the above-identified application to:

Customer Number

Place Customer
Number Bar Code
Label here

OR

<input type="checkbox"/> Firm or Individual Name	Corporate Patent Counsel			
Address	Philips Electronics North America Corporation			
Address	580 White Plains Road			
City	Tarrytown			
Country	United States of America	State	NY	ZIP 10591
Telephone	(408) 617-4832	Fax	(408) 617-4856	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

RECEIVED

APR 04 2002

Technology Center 2100

SIGNATURE of Applicant or Assignee of Record

Name	Michael E. Schmitt
Signature	
Date	MAR 9, 2002

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND
TRADEMARK OFFICE

Assistant Commissioner for Patents
Washington, DC 20231

Re: Changing of Correspondence Address, Atty Docket Number, Revocation of Attorney

Sir:

Attached are thirty-three (33) sets of documents to make changes to the cases filed in your office and listed in the Table. These include:

- Transmittal Form
- Revocation of Power of Attorney
- Statement under 37 CFR 3.73(b)
- Power of Attorney or Authorization of Agent, Change of Correspondence Address
- Appendix B showing Assignee Representative's Authority to sign on behalf of Assignee

If required, please charge any additional fees which may now or in the future be required in this application, including extension of time fees, but excluding the issue fee unless explicitly requested to do so, and credit any overpayment, to Deposit Account No. 14-1270.

The Assistant Commissioner is invited to contact me at the phone number below to clarify any matters relevant to these changes. Filing particulars such as Serial Number, Filing Date are on the document sets corresponding to the Attorney Docket Numbers listed below.

Attorney Docket Number	Attorney Docket Number
PHA 50691	US 008031
PHA 50817	US 008081
PHA 50926A	US 008602
PHA 50927A	US 008603
PHA 50991A	US 008614
PHA 51016A	US 008615
PHA 51046A	US 008620
PHA 51063A	US 008625
PHA 51064	US 008627
PHA 51174A	US 008630
PHA 51178A	US 018006
PHA 51183	US 018009
PHA 51185	US 018018
PHA 51209	US 018068
PHA 51210	US 018096
PHA 51215	US 018183
PHA 51246	

CERTIFICATE OF EXPRESS MAILING

Express Mail Mailing Label No. EL 882479525 US

Date of Deposit: Mar. 14, 2002

I hereby certify that this paper and/or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Respectfully submitted,

By: Peter S. Zawolski
Name: Peter S. Zawolski
Reg. No.: 43,305
Tel. (408) 617-4832

Correspondence Address:
Corporate Patent Counsel
Philips North America Corporation
580 White Plains Road
Tarrytown, NY 10591

Appendix B

Ownership of VLSI Technology, Inc.

- B1). Philips Semiconductors, Inc Secretary's Certificate of May 17, 2000.
- B2). Certificate of "Name Change" Amendment of Certificate of Incorporation of July 2, 1999.
- B3). Certificate of Merger of Philips Semiconductors, Inc. and Philips Semiconductors VLSI Inc.
- B4). Philips Semiconductors, Inc. Secretary's Certificate of May 16, 2000.
- B5). State of Delaware Secretary of State certifying the "Name Change" Amendment of B2.
- B6). State of Delaware Secretary of State certifying the Certificate of Merger of B3.
- B7). Philips Semiconductors, Inc. Secretary's Certificate of July 6, 2000 showing ownership of Philips Semiconductors Inc.

Authorized Signatories

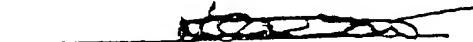
- B8). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of Philips Semiconductors, Inc.
- B9). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of U.S. Philips Corporation.
- B10). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of Philips North America Corporation
- B11). Power of Attorney authorizing Michael Schmitt et al to sign on behalf of Koninklijke Philips Electronics N.V.

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. that attached is a true and correct copy of Certificate of Amendment of Certificate of Incorporation as filed with the Secretary of State of the State of Delaware on July 2, 1999 changing the name of VLSI Technology, Inc. to Philips Semiconductors VLSI Inc.
2. that attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
on May 17, 2000.


Secretary

BEST AVAILABLE COPY

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 07/02/1999
991273471 - 2L25539

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

VLSI Technology, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of VLSI Technology, Inc., by unanimous written consent of its members, filed with the minutes of the board, duly adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of said corporation, declaring said amendment to be advisable:

RESOLVED, that the Certificate of Incorporation of this Corporation be amended by changing the first Article thereof so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the Corporation is PHILIPS SEMICONDUCTORS
VLSI INC."

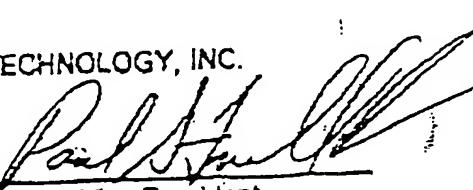
SECOND: That in lieu of a meeting and vote of stockholders, the stockholders have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Section 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said VLSI Technology, Inc. has caused this certificate to be signed by Paul S. Friedlander, its Vice President and attested by Warren T. Oates, Jr., its Assistant Secretary this 2nd day of July, 1999.

VLSI TECHNOLOGY, INC.

By: _____


Paul S. Friedlander
Vice President

ATTEST:


Warren T. Oates, Jr.
Assistant Secretary

BEST AVAILABLE COPY

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 12/29/1999
991566771 - 2125539

CERTIFICATE OF MERGER
OF
PHILIPS SEMICONDUCTORS INC.
AND
PHILIPS SEMICONDUCTORS VLSI INC.

It is hereby certified that:

1. The constituent business corporations participating in the merger herein certified are:

Philips Semiconductors Inc., which is incorporated under the laws of the State of Delaware; and

Philips Semiconductors VLSI Inc., which is incorporated under the laws of the State of Delaware.

2. An Agreement of Merger has been approved, adopted, certified, executed, and acknowledged by each of the aforesaid constituent corporations in accordance with the provisions of subsection (c) of Section 251 of the General Corporation Law of the State of Delaware.

3. The name of the surviving corporation in the merger herein certified is Philips Semiconductors VLSI Inc., which will continue its existence as said surviving corporation under the name Philips Semiconductors Inc. upon the effective date of said merger pursuant to the provisions of the General Corporation Law of the State of Delaware.

4. The Certificate of Incorporation of Philips Semiconductors VLSI Inc. is to be amended and changed by reason of the merger herein certified by striking out Article FIRST, relating to the name, by substituting in lieu thereof the following article:

"FIRST: The name of the Corporation is PHILIPS SEMICONDUCTORS INC."

and said Certificate of Incorporation as so amended and changed shall continue to be the Certificate of Incorporation of said surviving corporation until further amended and changed in accordance with the provisions of the General Corporation Law of the State of Delaware.

5. The executed Agreement of Merger between the aforesaid constituent corporations is on file at an office of the aforesaid surviving corporation, the address of which is as follows: 1251 Avenue of the Americas, New York, NY 10020

BEST AVAILABLE COPY

6. A copy of the aforesaid Agreement of Merger will be furnished by the aforesaid surviving corporation, on request, and without cost, to any stockholder of each of the aforesaid constituent corporations.

7. The Agreement of Merger between the aforesaid constituent corporations provides that the merger herein certified shall be effective at 12:02 a.m. January 1, 2000 Pacific Standard Time.

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS INC.

By: _____

(Name, Title) Belinda W. Chew, Vice President

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS VLSI INC.

By: _____

(Name, Title) Warren T. Gates, Jr., Vice Presid

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify that the attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
on May 16, 2000.


Secretary

State of Delaware
Office of the Secretary of State

PAGE 1

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I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"PHILIPS SEMICONDUCTORS INC.", A DELAWARE CORPORATION, WITH AND INTO "PHILIPS SEMICONDUCTORS VLSI INC." UNDER THE NAME OF "PHILIPS SEMICONDUCTORS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF DECEMBER, A.D. 1999, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2000.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Edward J. Freel
Edward J. Freel, Secretary of State

AUTHENTICATION: 0172467

DATE: 12-30-99

2125539 8100X

CC15-5771

BEST AVAILABLE COPY*State of Delaware**Office of the Secretary of State PAGE 1*

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "VLSI TECNOLOGY, INC.", CHANGING ITS NAME FROM "VLSI TECNOLOGY, INC." TO "PHILIPS SEMICONDUCTORS VLSI INC.", FILED IN THIS OFFICE ON THE SECOND DAY OF JULY, A.D. 1999, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in black ink that reads "Edward J. Freel".

Edward J. Freel, Secretary of State

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. Philips Semiconductors Inc. is a wholly-owned subsidiary of Philips Holding USA Inc.;
2. Philips Holding USA Inc. is a wholly-owned subsidiary of Koninklijke Philips Electronics N.V.;

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the Corporate Seal at New York, New York, this 6th day of July, 2000.



Secretary

SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Secretary of Philips Semiconductors Inc., do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on April 17, 2001 and such resolution has not been modified or rescinded and is in full force and effect as of the date of this certificate:

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies) to sign, execute and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country in the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 30th day of May, 2001.


Secretary

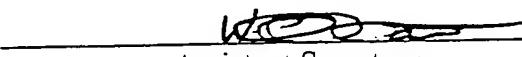
SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Assistant Secretary of U.S. Philips Corporation. (the "Corporation"), do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on May 23, 2001 and is in full force and effect as of the date of this certificate:

INTELLECTUAL PROPERTY AUTHORITY

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 21st day of June, 2001.


Assistant Secretary

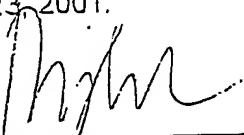
PHILIPS ELECTRONICS NORTH AMERICA CORPORATION

Consent of Directors to Action Taken
Without a Meeting of the Board of Directors

The undersigned, being all the members of the Board of Directors of PHILIPS ELECTRONICS NORTH AMERICA CORPORATION (the "Corporation"), a Delaware corporation pursuant to Section 141(f) of the General Corporation Law of the State of Delaware, hereby unanimously consent to the adoption of the following resolution without a meeting:

RESOLVED, that Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights, with immediate effect.

IN WITNESS WHEREOF, the undersigned Directors have executed this Consent as of April 23, 2001.



Belinda W. Chew



William E. Curran



PHILIPS

B11

Koninklijke Philips Electronics N.V.

P.O. Box 220, 5600 AE Eindhoven, The Netherlands

POWER OF ATTORNEY

The undersigned, Koninklijke Philips Electronics N.V. of Eindhoven, The Netherlands (hereinafter referred to as "the company") for the present purpose represented by Mr. R.J. Peters, authorized representative of the company, hereby grants authority until further notice to Messrs.

M.J.M. van Kaam
J.E. Haken
M.E. Marion
M.E. Schmitt

to act jointly and severally, within the normal performance of their duties, as representatives of the company at law and otherwise, with full power of substitution and revocation in all matters relating to the establishment, acquisition, maintenance, defence and administration of the company's rights and/or titles with respect to patents of inventions, utility models, trademarks, topographies of semiconductor products, drawings (including packaging designs) and industrial designs and/or applications for these, domain names, as well as computer software, and the contestation (including the institution of actions for nullity) of applications and rights of third parties and in all matters relating to the transfer and assignment of such rights and/or titles in the framework of divestiture of lines of business which explicitly have been resolved by the Board of Management of the company.

Eindhoven, 15th May 2001

Koninklijke Philips Electronics N.V.

A handwritten signature in black ink, appearing to read "R.J. Peters".

R.J. Peters